

Title (en)

Recording and reproducing apparatus for 1-bit digital signal

Title (de)

Gerät zur Aufzeichnung und Wiedergabe eines digitalen 1-bit Signals

Title (fr)

Appareil d'enregistrement et de reproduction d'un signal numérique 1-bit

Publication

EP 0801386 A2 19971015 (EN)

Application

EP 97302497 A 19970411

Priority

JP 9160396 A 19960412

Abstract (en)

A signal processing apparatus for processing 1-bit digital signals obtained on 1-bit sigma-delta conversion. The apparatus sums an analog signal having a first range and a sub-data signal having a pre-set frequency included in a second band sufficiently separated from the first band and by modulating the resulting signal by SIGMA DELTA modulation and converts the resulting sum signal into a 1-bit digital signal which is then recorded on a recording medium. It is possible in this manner to reproduce the sub-data information, such as the letter information, video information or sub-audio information pertinent to the main information, simultaneously with and in isolation from the main information. <IMAGE>

IPC 1-7

G11B 20/10; H04B 14/04

IPC 8 full level

G11B 20/10 (2006.01)

CPC (source: EP KR)

G11B 20/10018 (2013.01 - KR); **G11B 20/10037** (2013.01 - KR); **G11B 20/10527** (2013.01 - EP KR); **G11B 2020/00065** (2013.01 - KR)

Cited by

US9940969B2

Designated contracting state (EPC)

AT DE FR GB NL

DOCDB simple family (publication)

EP 0801386 A2 19971015; **EP 0801386 A3 19990526**; CN 1173097 A 19980211; KR 970071470 A 19971107; TW 320811 B 19971121

DOCDB simple family (application)

EP 97302497 A 19970411; CN 97111209 A 19970412; KR 19970013084 A 19970409; TW 86104383 A 19970403